

# Material Safety Data Sheet

Virtual



Date of issue / Reference 01.06.2011 liprt  
Replaces version of 17.10.2007 lise / v5  
Date of printing 01.06.2011 **Sheet No. 1504** Version 6 Page 1 of 5

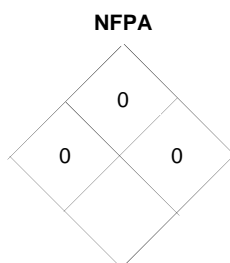
Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein

## 1 Commercial product name and supplier

1.1 Commercial product name /  
Designation

**Virtual**

**Extra Light Body, Light Body, Medium Body,  
Heavy Body, Monophase, Putty (fast und  
regular set), CADbite Registration, Virtual 380**



HMIS	
H	0
F	0
R	0

1.2 Application / Use

Dental silicone impression materials

1.3 Producer

Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan  
Principality of Liechtenstein (FL)

1.4 Supplier

Ivoclar Vivadent, Inc.  
175 Pineview Drive, Amherst NY 14228, USA  
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada  
MSDS prepared by Anderjeet Gulati. Tel. No. 716 691-0010

1.5 24 Hour Emergency Assistance

Emergency-Call USA- Infotrac: 1-800-535-5053  
Emergency-Call Canada - Canutec: 1-613-996-6666

General MSDS Assistance

US: 1-800-533-6825  
Canada: 1-800-263-8182

## 2 Composition

2.1 Chemical characterization

Addition-reaction silicones of:  
Vinylpolysiloxane, methylhydrogensiloxane, organic filler, pigment,  
catalyst and food dyes

2.2 Hazardous components

2.3 Further information

None.

## 3 Hazards identification

None, if used in accordance to instructions. Prevent from accidental  
ingestion.

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## 4 First aid measures

- |     |                     |   |
|-----|---------------------|---|
| 4.1 | Eye contact         | Flush with plenty of water.   |
| 4.2 | Skin contact        | Wash with water.  |
| 4.3 | Ingestion           | No hazards anticipated from swallowing small amounts incidentally to normal handling. |
| 4.4 | Inhalation          | No specific requirements.   |
| 4.5 | Further information | None.   |

## 5 Fire-fighting measures

- |     |                              |   |
|-----|------------------------------|---|
| 5.1 | Suitable extinguishing media | Water fog, carbon dioxide, foam, dry chemicals. |
| 5.2 | Extinguishing media to avoid | None known                                      |
| 5.3 | Flash point                  | Test method:                                    |
| 5.4 | Ignition temperature         |   |
| 5.5 | Explosion limits             | Lower:<br>Upper:<br>not applicable              |
| 5.6 | Further information          | None.   |

## 6 Accidental release measures

Clean up mechanically. Wash the area with soap and water. Do not allow to flow off into the drains or waters.  
Dispose of according to local and national regulations.

## 7 Handling and storage

- |     |                                |  |
|-----|--------------------------------|--|
| 7.1 | Handling                       | Only adequately trained personnel should handle this product.                  |
| 7.2 | Industrial hygiene             | Usual hygienic measures for dental practice.                                   |
| 7.3 | Storage                        | Store at 5-28 °C / 41-82 °F.   |
| 7.4 | Place of storage               | Store in a well ventilated, cool, dry area.<br>Keep containers tightly closed. |
| 7.5 | Fire- and explosion-protection | No specific requirements.  |

## 8 Exposure controls / Personal protection

- |     |                       |                           |
|-----|-----------------------|---------------------------|
| 8.1 | Exposure controls     | No specific requirements. |
| 8.2 | Exposure limit values | None established.         |

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## 8.3 Occupational exposure controls

### 8.3.1 Respiratory protection

Not required.

### 8.3.2 Hand protection

Use vinyl gloves only or wash hands thoroughly. (The setting of vinylpolysiloxanes is inhibited by latex gloves.)

### 8.3.3 Eye protection

Safety goggles.

### 8.3.4 Other

None.

## 8.4 Environmental exposure controls

## 9 Physical and chemical properties

### 9.1 Appearance

Pastes / viscous liquids

### 9.2 Colour

various

### 9.3 Odour

low

### 9.4 Change of physical state

Test method:

not applicable

### 9.5 Density

1.0-1.6 g/cm<sup>3</sup> (20°C)

### 9.6 Vapour pressure

not applicable

### 9.7 Viscosity

not known

### 9.8 Solubility

Solubility in water

nearly insoluble

### 9.9 pH

not known

### 9.10 Further information

Part. coeff. n-octanol/water

Evaporat. rate

None.

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## 10 Stability and reactivity

- |      |                                  |  |
|------|----------------------------------|--|
| 10.1 | Thermal decomposition            | > 250 °C                                     |
| 10.2 | Hazardous decomposition products | None, if used in accordance to instructions. |
| 10.3 | Conditions / materials to avoid  | None, if used in accordance to instructions. |
| 10.4 | Further information              | None.  |

## 11 Toxicological information

- |      |                             |   |
|------|-----------------------------|---|
| 11.1 | Acute toxicity              | ---   |
| 11.2 | Subacute / Chronic toxicity | No adverse effects anticipated by this route of exposure incidental to proper industrial handling.<br>Virtual possesses no cytotoxic potential. |
| 11.3 | Further information         | Avoid eye contact.  |

## 12 Ecological information

- |      |                               |   |
|------|-------------------------------|---|
| 12.1 | Ecotoxicity                   | No data available.  |
| 12.2 | Mobility                      | No data available.  |
| 12.3 | Persistence and degradability | No data available.  |
| 12.4 | Bioaccumulative potential     | No data available.  |
| 12.5 | Further information           | No ecological problems to be anticipated if properly handled and used.<br>nearly insoluble<br>Material is not degradable in the environment.<br>Do not discharge to sewers or natural waters. |

## 13 Disposal considerations

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

## 14 Transport information

- |      |                   |                      |     |               |     |
|------|-------------------|----------------------|-----|---------------|-----|
| 14.1 | Transport at land | ADR                  | --- | RID           | --- |
|      |                   | UN Number            | --- | Kemler Number |     |
|      |                   | Packing Group        | --- |               |     |
|      |                   | Proper shipping name | --- |               |     |

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14.2	Transport at sea	ADNR	---	IMDG	---
		UN Number	---		
		EMS	---	MFAG	---
		Packing Group			
		Proper shipping name	---		
		Marine pollutant			
14.3	Air transport	ICAO / IATA-DGR	---		
		UN Number	---		
		Proper shipping name	---		
		Subsidiary Risk	---		
		Labels	---		
		Packing Group	---		
	Passenger airplane	Packing Instructions	---		
		max.	---		
	Cargo Airplane	Packing Instructions	---		
		max.	---		
14.4	Further information	Product is not classified as a dangerous good for transport.			

## 15 Regulatory information

The product is a medical device according to the EC-directive 93/42/EEC.  
This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

15.1 National regulations  
15.2 NFPA Storage  
15.3 Further information

None.

## 16 Other information

No other information.

*The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.*

